

GMC RDG-006 PRODUCT SPECIFICATIONS:

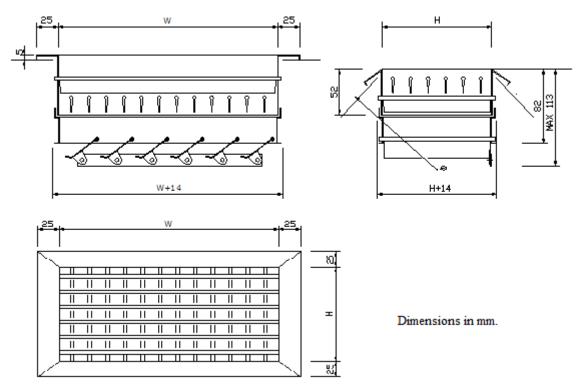
- Standard Material: Aluminum profile and Aluminum sheet.
- Used on round type return air ducts.
- Aerodinamic blades are easily adjustable.
- Round duct grilles are designed to assemble directly to the air duct, manufactured according to orders.
- Has two models: Single Row Model (RDG-106: Return), Double Row Model (RDG-206: Supply).
- Mounted with 4 mm screws on frame with appropriate quantity.
- On request, damper can be added to control air flow volume.
- Eloxal, anodizing or electrostatic powder coating with the color from RAL catalogue.



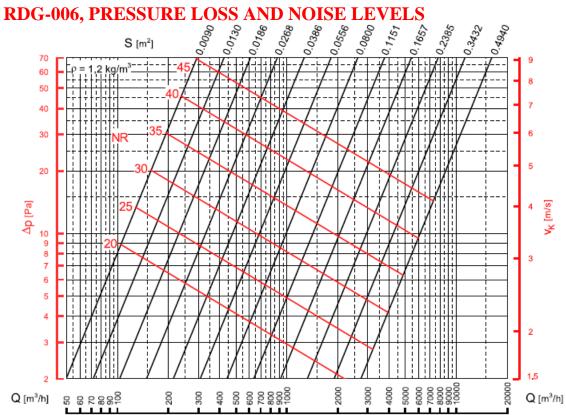




TECHNICAL DETAILS



DATA DIAGRAM







 $Q[m^3/h]$ supply air flow rate S [m²] effective outlet area

 $v_k [m/s]$ velocity relating to the effective outlet area S terminal velocity relating to the throw axis v_{m} [m/s]

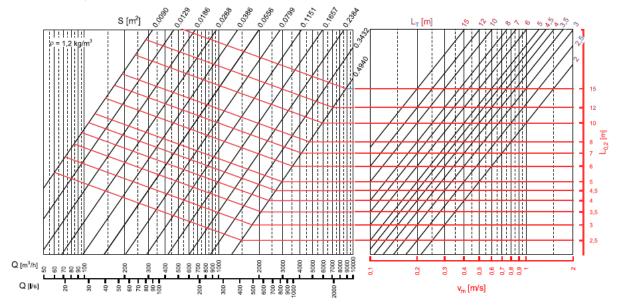
∆p [Pa] total pressure loss

noise rating (ISO standard, in relation to $10^{-12}\,\mathrm{W}$) taking no account of NR

attenuation of the room

angle of deflection of the fins D [°]

RDG-006, THROW DISTANCES (m)



Q [m³/h]supply air flow rate S [m²] effective outlet area

 V_{k} [m/s] velocity relating to the effective outlet area S v_m [m/s] terminal velocity relating to the throw axis

D [°] angle of deflection of the fins

horizontal isothermal throw with ceiling effect angle of deflection D = 0° L, [m]

			MAXI	MUM F	HEIGHTS	FOR D	IAMETE	RS			
				Round	d duct die	ımeter (r	nm)				
ø (mm)	200	250	300	350	400	450	500	550	600	900	1200
H max. (mm)	75	75	100	100	125	125	150	150	150	200	250

RDG-006, EFFECTIVE AREA TABLE (m²)

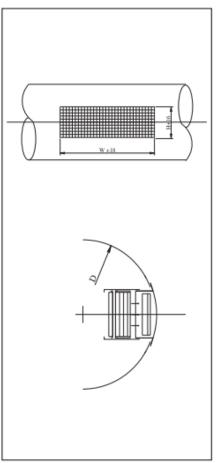
							٧	/ (mm)								
H (mm)	100	150	200	250	300	350	400	450	500	600	700	800	900	1000	1100	1200
()																
75	0,006	0,010	0,013	0,016	0,019	0,023	0,026	0,029	0,032	0,039	0,045	0,052	0,058	0,065	0,071	0,077
125	0,010	0,016	0,021	0,026	0,031	0,036	0,042	0,047	0,052	0,062	0,073	0,083	0,094	0,104	0,114	0,125
							٧	/ (mm)								
H (mm)	100	150	200	250	300	350	400	450	500	600	700	800	900	1000	1100	1200
n (mm)																
75	0,005	0,008	0,011	0,013	0,016	0,018	0,021	0,023	0,026	0,031	0,036	0,041	0,047	0,052	0,057	0,062
125	0,009	0.013	0,017	0.021	0.025	0.029	0.033	0.037	0.042	0.050	0.058	0.066	0.074	0.083	0.091	0,099



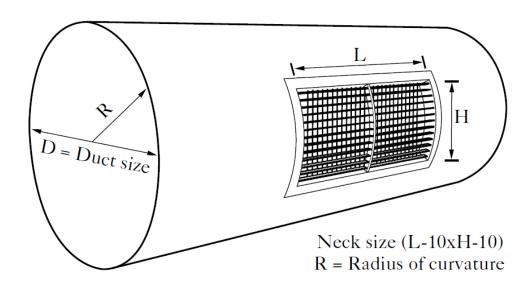


DETAILED SELECTION TABLE

Standard size WTH (mm) 305755 425775 505775 625775	Di Resured shoet Diarneter 150	Effective Ansamit 0,014 0,019	Airvoluma mith 126		Ainvoluma m²/h	
425°75 525°75 025°75	150		126		Airvoluma m ^a h	
425°75 525°75 025°75			120	0,011	99	
625*75					135	
		0,023	207	0,019	171	
0.0004470			252		207	
040 170	[0,037	333	0,03	270	
1025*75	+		414		333	
1225*75	400	0,055	495	0,045	405	
325*125	300				207	
425*125		0,037	333	0,03	270	
525*125			414		333	
625*125		0,055	495	0,045	405	
825*125					540	
1025*125		0,092	828	0,075	675	
1225*125	900				810	
325*175	500	0,041	369	0,034	306	
425*175			495		405	
525*175		0,069	621	0,056	504	
825°175			747		612	
825°175		0,110	990	0,09	810	
1025*175	+					
1225*175	1500	0,166	1494	0,135	1215	
3251225	600		495		405	
425°225	[0,074	666	0,060	540	
525*225		0,092	828	0,075	675	
625*225		0,11	990	0,090	810	
825*225		0,147	1323	0,120	1080	
10251225	*	0,184	1656	0,150	1350	
1225*225	2400	0,22	1980	0,160	1620	



MOUNTING DETAILS







ORDER PARAMETERS

